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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/954,603 09/17/2001		Craig N. Eatough	3195-6715US 8272		
<sup>24247</sup> TRASK BRITT	7590 01/03/200	7	EXAMINER		
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SHORTENED STATUTORY PERIOD OF RESPONSE MAIL DATE DELIVERY MO		Y MODE			
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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No	•	Applicant(s)	
•		09/954,603		EATOUGH ET AL.	
Office Action Summary		Examiner		Art Unit	
		N. Bhat		1764	
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WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period vere to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailinged patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS C 36(a). In no event, how will apply and will expire , cause the application	OMMUNICATION vever, may a reply be time SIX (6) MONTHS from to become ABANDONE	N. nely filed the mailing date of this commun D (35 U.S.C. § 133).	
Status	•				
	Responsive to communication(s) filed on 11 Octoor This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowar closed in accordance with the practice under Expression 11 Octoor 12 Octoor 12 Octoor 12 Octoor 13 Octoor 13 Octoor 14 Octoor 14 Octoor 14 Octoor 15 Oct	action is non-fir	rmal matters, pro		its is
Dispositi	ion of Claims		,		
5)	Claim(s) 32-78 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed.  Claim(s) 32-78 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or are subject to restriction and/or on Papers  The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration i	wn from conside  r election require  r.  epted or b) □ ob  drawing(s) be held  ion is required if the	ement. jected to by the E I in abeyance. See ne drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.1	• •
Priority L	ınder 35 U.S.C. § 119				
12) [ ] a) [	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the prior  application from the International Bureau  See the attached detailed Office action for a list of	s have been reco s have been reco ity documents h I (PCT Rule 17.2	eived. eived in Application ave been receivee 2(a)).	on No ed in this National Stag	e
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## **DETAILED ACTION**

- 1. Applicant's arguments and amendments of October 11, 2006 have been fully and carefully considered. Applicant's amendments overcome the 112, first paragraph rejections. Accordingly the rejection is withdrawn. Applicant's amendments and arguments are not persuasive with respect to rejection under obviousness over the combined teachings of Loebell (1,912,002), Webber et al. (4,352,720) and Nicaud et al. (6,043,289) for reasons of record in the office action of June 21, 2005 and the following:
- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Claims 32-37, 40-46, 48-53, 55-57, 59-75 and 78 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Loebell in combination with Weber et al. for reason delineated in the office action of June 21, 2006.
- 5. Claims 38, 39, 47, 54, 76 and 77 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Loebell in view of Weber et al. further in view of Nicaud et al. for reasons delineated in the office action of June 21, 2006.
- 6. Applicant has amended the claims to recite that the quantities of low-grade noncoking cola fines and another type of carbonaceous fines is adjusted such that the

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pyrolytic by products do not exceed of a quantity of pyrolytic by-products required to continuously main the method. This amendment does not define over the combined teachings of Loebell and Weber et al. The art does fairly teach and suggest a process wherein the amounts of coal fines are adjusted to provide a high-grade coke from lowgrade material. The concede to feed back tar effluent by product products from the pyrolyzer combustible off gas effluent has been specifically taught in Weber et al. Loebell teaches that recycling products in the coal briquetting process is well known and to provide a high-grade coke from a low grade coke is well known and a very old process. Applicant's process is merely fine-tuning of a well-established process of making high-grade coke from low-grade material. The fact that the is adjustment between low grade non-coking coal fines and pyrolytic by products is an obvious adjustment is applicant obviously manipulating process conditions and reaction conditions and manipulating the reaction system such that process runs continuously which does not require inordinate amounts of experimentation but routine optimization which would have been obvious to one familiar in coke production and it is maintained that one familiar with coke production would be capable of adjusting the tar effluent produced by pyrolyzation of the mixture such that it would not exceed the quantity of tar which would be required for processing a subsequent mixture to be introduced into the pyrolyzer. Applicant has argued that "Weber actually teaches introducing mixtures in the pyrolyzer which produce excess tar and combustion off gas by products", while this statement may be true it does not preclude applicant's pyrolytic by products do not exceed a quantity of pyrolytic by products required to continuously main the method,

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specifically, even if the tar is in excess it does not necessarily mean that the reaction would not continue or the method would be impaired. If one puts in excess reagent in a chemical reaction, the reaction will still take place, therefore the process would continue.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to N. Bhat whose telephone number is 571-272-1397. The examiner can normally be reached on Monday-Friday, 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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**Bhat** 

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